

# AMIR AGASSI

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## EDUCATION

### Wilfrid Laurier University

BSc Computer Science

Waterloo, Ontario

2022 - 2026

### Western Governors University

Accelerated BSc Cybersecurity & Information Assurance

Remote

Sept. 2024 - Feb. 2025

## PROFESSIONAL EXPERIENCE

### Shopify

Software Engineer Intern, Co-op

Toronto, Ontario

January 2025 - Present

- Developed Shopify's new analytics ETL pipelines using **Apache Kafka**, **Airflow**, **Dataflow**, **dbt**, and **ClickHouse**, enhancing pipeline efficiency and reliability for reporting systems used by **millions of merchants globally**.

### Konfer Inc.

Vice President of Engineering

Waterloo, Ontario

July 2024 - Present

- Drove the startup's engineering vision and technical strategy, powering our **5+ high-impact annual events** and hosting up to **2000+ people** through our **white-label hackathons and tech mixers**.

### Civiconnect

Web Development Associate, Co-op

Remote

September 2024 - Present

- Collaborated with the Web Development Team to design, develop, and maintain web applications for small to mid-sized businesses, contributing to **3+ client projects** using **Figma**, **React**, and **Supabase**.

### Sterling Karamar Property Management

Software Developer, Full time

Toronto, Ontario

July 2021 - August 2022

- Built and maintained large-scale reporting and automation tools for over **85+ corporate real estate clients**, reducing monthly report creation time by **up to 95%**.

### 360 Business Marketing Inc.

Digital Solutions Intern

Concord, Ontario

June 2020 - April 2021

- Engineered and implemented a custom analytics dashboard to monitor website traffic and user behavior used with **120+ clients**, improving lead generation rates by **up to 40%**.

### MIT Consulting

IT Support Intern

North York, Ontario

January 2020 - May 2020

- Wrote automation scripts in **Java** and **Python** and assisted in providing IT services for **15+ small businesses**.

## ACTIVITIES

### Laurier Computing Society

Vice President of Development & Technology

Waterloo, Ontario

January 2024 - Present

- Overseeing the development and maintenance of society's technical infrastructure, organizing **10+ tech-related events and workshops per semester**, with an average attendance of **75 students**.

### HawkHacks

Vice President of Engineering & Development

Waterloo, Ontario

November 2023 - Present

- Managed a **team of 6** to develop a scalable event platform by building a **high-traffic landing page** and **custom dashboard**, handling over **1800+ applications** and supporting **700+ attendees**.

### Computing Councils of Canada

Director of Systems Administration

Remote

November 2022 - December 2024

- Led the development of a responsive landing page, Discord bot, and **3 software-related projects**, connecting a community of **900+ students** in computing clubs across Canada.

## PROJECTS

- SPUR IC OnBoard:** Developed SPUR Innovation Center's streamlined digital platform to manage startup onboarding, review, and funding processes for SPUR administrators, startup applicants, and investors. Developed using **Go** and **React**, using tools like **Docker** and **PostgreSQL**.
- Danghui-cLVM:** Proof of concept Roblox ACE exploit to execute arbitrary code & fully replicate the scripts to player's machines, affecting **37.1 million daily active players**.
- QuickReports:** A React-based web application in use by **2 medium-sized marketing agencies**, integrating **8+ digital marketing analytics tools** into a single dashboard & supplying **164+ businesses'** monthly reports.

## CERTIFICATIONS

- AWS Certified Solutions Architect - Professional** • **Google Cloud Professional Data Engineer**
- CompTIA Network+** • **CompTIA A+ IT** • **ITIL 4 Foundation (IT Service Management)**
- CompTIA Cybersecurity Analyst (CySA+)** • **CompTIA Project+** • **CompTIA PenTest+**
- CompTIA Security+** • **Linux Essentials 010 (Perfect Score)**